

I claim:

1. A method implemented by a supporting switch for providing Internet Protocol, IP, telephone set subscribers with call features comprising the steps of:

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receiving at an IP peripheral unit, IPPU, a first IP packet containing a request for a first call feature;

transmitting a second message from the IPPU to a packet line trunk unit of a switch module

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where the second message contains the request for the first call feature;

accessing first information contained in a directory database by an applications processor based on the request for the first call feature contained in the second message;

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the applications processor retrieving at least a portion of said first information;

transmitting said at least portion of the first information to an IP telephone set subscriber in response to the request for the first call feature.

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2. The method according to claim 1 wherein said at least portion of the first information is transmitted to the IP telephone set subscriber that made the request for the first call feature.

3. The method according to claim 1 wherein said request for the first call feature is from a calling party, and said at least portion of the first information is transmitted to a called IP

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telephone set subscriber.

4. The method according to claim 1 wherein the transmitting of the second message comprises transmitting a second message that is compatible with peripheral control and timing facilities interface protocol.

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5. The method according to claim 1 wherein the first call feature is one of a group including calling name display and directory query display.

6. A method implemented by a supporting switch for providing Internet Protocol, IP, telephone set subscribers with call features comprising the steps of:

5 receiving at an IP peripheral unit, IPPU, a first IP packet containing a request for a first call feature;

transmitting a message based on the request for the first call feature to an applications processor;

10 locating first information contained in a directory database by the applications processor based on the request for the first call feature;

the applications processor retrieving at least a portion of said first information;

15 transmitting said at least portion of the first information to an IP telephone set subscriber in response to the request for the first call feature.

7. The method according to claim 6 wherein said at least portion of the first information is transmitted to the IP telephone set subscriber that made the request for the first call feature.
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8. The method according to claim 6 wherein said request for the first call feature is from a calling party, and said at least portion of the first information is transmitted to a called IP telephone set subscriber.

25 9. The method according to claim 6 wherein the transmitting of the message comprises transmitting a message that is compatible with peripheral control and timing facilities interface protocol.

30 10. The method according to claim 6 wherein the first call feature is one of a group including calling name display and directory query display.